

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference Cal 88975	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/013871	International filing date (day/month/year) 06/12/2004	(Earliest) Priority Date (day/month/year)
Applicant ENITECNOLOGIE S.P.A.		
<p>This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This International Search Report consists of a total of <u>6</u> sheets.</p> <p><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>		
<p>1. Basis of the report</p> <p>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. <input type="checkbox"/> With regard to any nucleotide and/or amino acid sequence disclosed in the international application; see Box No. I.</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (See Box II).</p> <p>3. <input checked="" type="checkbox"/> Unity of invention is lacking (see Box III).</p> <p>4. With regard to the title,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows:</p> <p>5. With regard to the abstract,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</p> <p>6. With regard to the drawings,</p> <p>a. the figure of the drawings to be published with the abstract is Figure No. _____</p> <p><input type="checkbox"/> as suggested by the applicant.</p> <p><input type="checkbox"/> as selected by this Authority, because the applicant failed to suggest a figure.</p> <p><input type="checkbox"/> as selected by this Authority, because this figure better characterizes the invention.</p> <p>b. <input checked="" type="checkbox"/> none of the figures is to be published with the abstract.</p>		

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013871

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F1/28 B01J20/18 C02F101/20 C02F101/30 C02F103/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C02F B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/002461 A (ENITECNOLOGIE S.P.A; VIGNOLA, RODOLFO; BERNARDI, ADRIANO; GRILLO, GIOV) 9 January 2003 (2003-01-09) cited in the application the whole document -----	20
A	-----	1-19
A	EP 0 914 864 A (TOYOTA JIDOSHA KABUSHIKI KAISHA) 12 May 1999 (1999-05-12) the whole document -----	1-20
A	US 5 730 948 A (KLATTE ET AL) 24 March 1998 (1998-03-24) the whole document ----- -/-	1-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

5 August 2005

17/08/2005

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013871

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT.

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PILCHOWSKI K, CHMIELEWSKA E: "Adsorptive Separation of 1,2-Dichlorethane from Model wastewater by Natural Clinoptilolite" ACTA HYDROCHIM. HYDROBIOL., vol. 31, no. 3, November 2003 (2003-11), pages 249-252, XP002339461 the whole document -----	1-20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/013871

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple Inventions in this International application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19

A process for the treatment of water contaminated by apolar organic compounds and/or heavy metals which consists in circulating the water through a system comprising at least two types of zeolites

2. claim: 20

A process for treatment of water contaminated by 1,2-dichloro-ethane which consists in circulating the water through a system comprising ZSM-5 alone

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013871

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03002461	A	09-01-2003	IT MI20011362 A1 BG 108476 A CZ 20033482 A3 EE 200400036 A WO 03002461 A1 EP 1409413 A1 HR 20031047 A2 HU 0400388 A2 JP 200453322 T PL 367461 A1 SK 15992003 A3 US 2004206705 A1	30-12-2002 30-07-2004 14-07-2004 15-04-2004 09-01-2003 21-04-2004 30-04-2004 30-08-2004 04-11-2004 21-02-2005 03-08-2004 21-10-2004
EP 0914864	A	12-05-1999	JP 3417309 B2 JP 11192427 A EP 0914864 A2 US 6147023 A	16-06-2003 21-07-1999 12-05-1999 14-11-2000
US 5730948	A	24-03-1998	US 5567405 A US 5464598 A US 5278112 A WO 9636372 A1 AU 2433295 A WO 9623726 A1 US 5573743 A US 5776850 A AU 8082194 A WO 9513122 A1 US 5833739 A US 5314852 A	22-10-1996 07-11-1995 11-01-1994 21-11-1996 21-08-1996 08-08-1996 12-11-1996 07-07-1998 29-05-1995 18-05-1995 10-11-1998 24-05-1994